Docket No.   RSW9-2000-0089-US1

CLAIMS:

What is claimed is:

1   1.   A method in a data processing system for making an
2   information request, comprising:
3   '   sending a first request for information and a
4   credential to a server to establish a session;
5   receiving a session identification and the information
6   from the server; and
7   sending a second request for information and the
8   credential and the session identification to the server.

1   2.   The method of claim 1, wherein the credential is a user
2   name and password, a security token, or a certificate.

1   3   .The method of claim 1, wherein the session
2   identification is in a session identification data
3   structure.

1   4.   The method of claim 3, wherein the session
2   identification data structure is a session identification
3   cookie.

1   5.   The method of claim 4, further comprising storing the
2   session identification cookie.

Docket No.   RSW9-2000-0089-US1

1 6.   The method of claim 3, wherein the session
2 identification data structure is in a rewritten uniform
3 resource locator.

1 7.   The method of claim 1, wherein the request is a
2 hypertext transport protocol request.

1 8.   The method of claim 7, wherein the hypertext transport
2 protocol request is a uniform resource locator.

1 9.   A method in a data processing system for managing an
2 information request, comprising:
3   establishing a session;
4   generating a session identification in response to the
5 session being established;
6   sending the session identification to the client;
7   receiving a request for information and a credential
8 and the session identification from a client;
9   determining whether the session identification is
10 valid;
11   determining whether the credential is valid;
12   sending the information to the client in response to
13 the session identification and the credential being valid.

1 10. The method of claim 9, wherein the credential is a
2 user name and password, a security token, or a certificate.

Docket No.   RSW9-2000-0089-US1

1   11.   The method of claim 9, further comprising:

2   associating a user account with the session

3   identification in response to the credential being valid.

1   12.   The method of claim 9, wherein the step of generating

2   a session identification comprises generating a random

3   number.

1   13.   The method of claim 9, wherein the step of generating

2   a session identification comprises generating a session

3   identification data structure.

1   14.   The method of claim 13, wherein the session

2   identification data structure is a session identification

3   cookie.

1   15.   The method of claim 13, wherein the session

2   identification data structure is in a rewritten uniform

3   resource locator.

1   16.   The method of claim 9, wherein the request is a

2   hypertext transport protocol request.

1   17.   The method of claim 16, wherein the hypertext

2   transport protocol request is a uniform resource locator.

Docket No.   RSW9-2000-0089-US1

1   18.   A method in a data processing system for making an

2   information request, comprising:

3   sending a request for information and a session

4   identification and a credential to a server; and

5   receiving the information from the server.

1   19.   The method of claim 18, wherein credential is a user

2   name and password, a security token, or a certificate.

1   20.   The method of claim 18, wherein the request is a

2   hypertext transport protocol request.

1   21.   The method of claim 20, wherein the hypertext

2   transport protocol request is a uniform resource locator.

1   22.   A method in a data processing system for managing an

2   information request, comprising:

3   receiving a request for information and a session

4   identification and a first credential from a client;

5   determining whether the session identification is

6   valid;

7   retrieving a session data structure including a second

8   credential in response to the session identification being

9   valid;

Docket No.   RSW9-2000-0089-US1

10   determining whether the first credential and the

11 second credential match; and

12   fulfilling the request for information in response to

13 the first credential and the second credential matching.

1 23. The method of claim 22, wherein the first credential

2 is a user name and password, a security token, or a

3 certificate.

1 24. The method of claim 22, wherein the step of generating

2 a session identification comprises generating a random

3 number.

1 25. The method of claim 22, wherein the step of generating

2 a session identification comprises generating a session

3 identification data structure.

1 26. The method of claim 25, wherein the session

2 identification data structure is a session identification

3 cookie.

1 27. The method of claim 25, wherein the session

2 identification data structure is in a rewritten uniform

3 resource locator.

Docket No.   RSW9-2000-0089-US1

1   28.   The method of claim 22, wherein the request is a

2   hypertext transport protocol request.

1   29.   The method of claim 28, wherein the hypertext

2   transport protocol request is a uniform resource locator.

1   30.   An apparatus for making an information request,

2   comprising:

3   first sending means for sending a first request for

4   information and a credential to a server to establish a

5   session;

6   receipt means for receiving a session identification

7   and the information from the server; and

8   second sending means for sending a second request for

9   information and the credential and the session

10 identification to the server.

1   31.   The apparatus of claim 30, wherein the credential is a

2   user name and password, a security token, or a certificate.

1   32.   The apparatus of claim 30, wherein the session

2   identification is in a session identification data

3   structure.

Docket No.   RSW9-2000-0089-US1

1   33.   The apparatus of claim 32, wherein the session
2   identification data structure is a session identification
3   cookie.

1   34.   The apparatus of claim 33, further comprising storage
2   means for storing the session identification cookie.

1   35.   The apparatus of claim 32, wherein the session
2   identification data structure is a rewritten uniform
3   resource locator.

1   36.   The apparatus of claim 30, wherein the request is a
2   hypertext transport protocol request.

1   37.   The apparatus of claim 36, wherein the hypertext
2   transport protocol request is a uniform resource locator.

1   38.   An apparatus for managing an information request,
2   comprising:
3   session means for establishing a session;
4   generating means for generating a session
identification in response to the session being
established;
7   first sending means for sending the session
8   identification and to the client;

Docket No.   RSW9-2000-0089-US1

9   receipt means for receiving a request for information

10   and a credential and the session identification from the

11   client;

12   first determining means for determining whether the

13   session identificatin is valid;

14   second determining means for determining whether the

15   credential is valid; and

16   second sending means for sending the information to

17   the client in response to the session identification and

18   the credential being valid.

1   39. The apparatus of claim 38, wherein the credential is a

2   user name and password, a security token, or a certificate.

1   40. The apparatus of claim 38, further comprising:

2   association means for associating a user account with

3   the session identification in response to the session

4   identification being generated.

1   41. The apparatus of claim 38, wherein the generating

2   means comprises means for generating a random number.

1   42. The apparatus of claim 38, wherein the generating

2   means comprises means for generating a session

3   identification data structure.

Docket No.   RSW9-2000-0089-US1

1   43. The apparatus of claim 42, wherein the session

2   identification data structure is a session identification

3   cookie.

1   44. The apparatus of claim 42, wherein the session

2   identification data structure is in a rewritten uniform

3   resource locator.

1   45. The apparatus of claim 38, wherein the request is a

2   hypertext transport protocol request.

1   46. The apparatus of claim 45, wherein the hypertext

2   transport protocol request is a uniform resource locator.

1   47. An apparatus for making an information request,

2   comprising:

3   a processor; and

4   a memory electrically connected to the processor, the

5   memory having stored therein a program to be executed on

6   the processor for performing:

7   sending a request for information and a session

8   identification and a credential to a server; and

9   receiving the information from the server.

1   48. The apparatus of claim 47, wherein credential is a

2   user name and password, a security token, or a certificate.

Docket No.   RSW9-2000-0089-US1

1   49.   The apparatus of claim 47, wherein the request is a
2   hypertext transport protocol request.

1   50.   The apparatus of claim 49, wherein the hypertext
2   transport protocol request is a uniform resource locator.

1   51.   An apparatus for managing an information request,
2   comprising:
3   a processor; and
4   a memory electrically connected to the processor, the
5   memory having stored therein a program to be executed on
6   the processor for performing:
7   receiving a request for information and a session
8   identification and a first credential from a client;
9   determining whether the session identification is
10   valid;
11   retrieving a session data structure including a second
12   credential in response to the session identification being
13   valid;
14   determining whether the first credential and the
15   second credential match; and
16   fulfilling the request for information in response to
17   the first credential and the second credential matching.

Docket No.   RSW9-2000-0089-US1

1   52.   The apparatus of claim 51, wherein the first

2   credential is a user name and password, a security token,

3   or a certificate.

1   53.   The apparatus of claim 51, wherein the step of

2   generating a session identification comprises generating a

3   random number.

1   54.   The apparatus of claim 51, wherein the step of

2   generating a session identification comprises generating a

3   session identification data structure.

1   55.   The apparatus of claim 54, wherein the session

2   identification data structure is a session identification

3   cookie.

1   56.   The apparatus of claim 54, wherein the session

2   identification data structure is in a rewritten uniform

3   resource locator.

1   57.   The apparatus of claim 51, wherein the request is a

2   hypertext transport protocol request.

1   58.   The apparatus of claim 57, wherein the hypertext

2   transport protocol request is a uniform resource locator.

Docket No.   RSW9-2000-0089-US1

1   59. A computer program product, in a computer readable

2   medium, for making an information request, comprising:

3   instructions for sending a first request for

4   information and a credential to a server to establish a

5   session;

6   instructions for receiving a session identification

7   and the information from the server; and

8   instructions for sending a second request for

9   information and the credential and the session

10 identification to the server.

1   60. A computer program product, in a computer readable

2   medium, for managing an information request, comprising:

3   instructions for establishing a session;

4   instructions for generating a session identification

5   in response to the session being established;

6   instructions for sending the session identification to

7   the client;

8   instructions for receiving a request for information

9   and a credential and the session identification from a

10 client;

11   instructions for determining whether the session

12 identification is valid;

13   instructions for determining whether the credential is

14 valid;

Docket No.   RSW9-2000-0089-US1

15   instructions for sending the information to the client

16 in response to the session identification and the

17 credential being valid.

1   61.   A computer program product, in a computer readable

2   medium, for making an information request, comprising:

3   instructions for sending a request for information and

4   a session identification and a credential to a server; and

5   instructions for receiving the information from the

6   server.

1   62.   A computer program product, in a computer readable

2   medium, for managing an information request, comprising:

3   instructions for receiving a request for information

4   and a session identification and a first credential from a

5   client;

6   instructions for determining whether the session

7   identification is valid;

8   instructions for retrieving a session data structure

9   including a second credential in response to the session

10 identification being valid;

11   instructions for determining whether the first

12 credential and the second credential match; and

13   instructions for fulfilling the request for

14 information in response to the first credential and the

15 second credential matching.